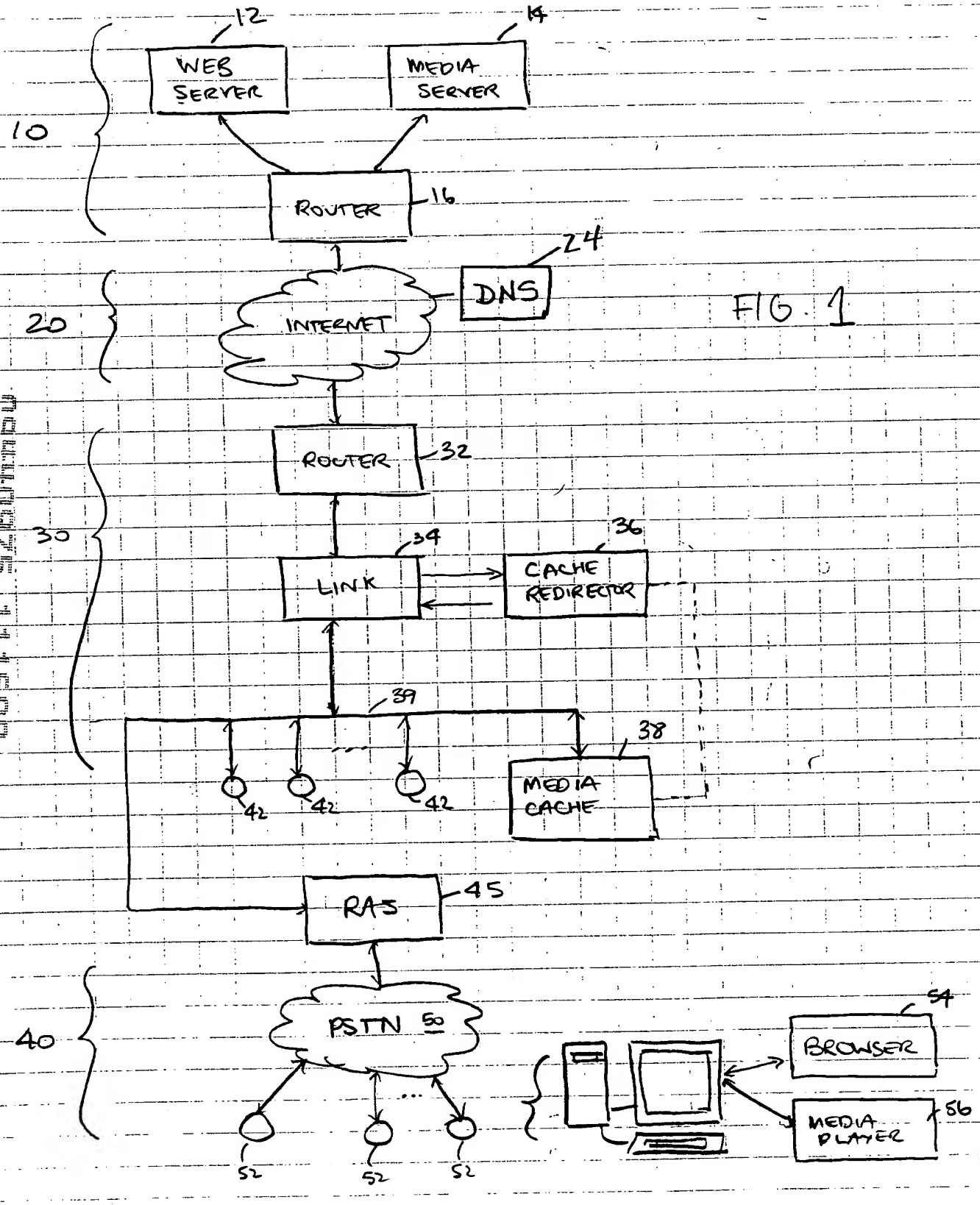
12
WEB SERVER
14
MEDIA SERVER
10
ROUTER
16
24
DNS
20
INTERNET
ROUTER
32
30
34
LINK
36
CACHE REDIRECTOR
39
38
42
42
42
MEDIA CACHE
RAS
45
40
PSTN 50
54
BROWSER
MEDIA PLAYER
56
52
52
52

FIG. 1

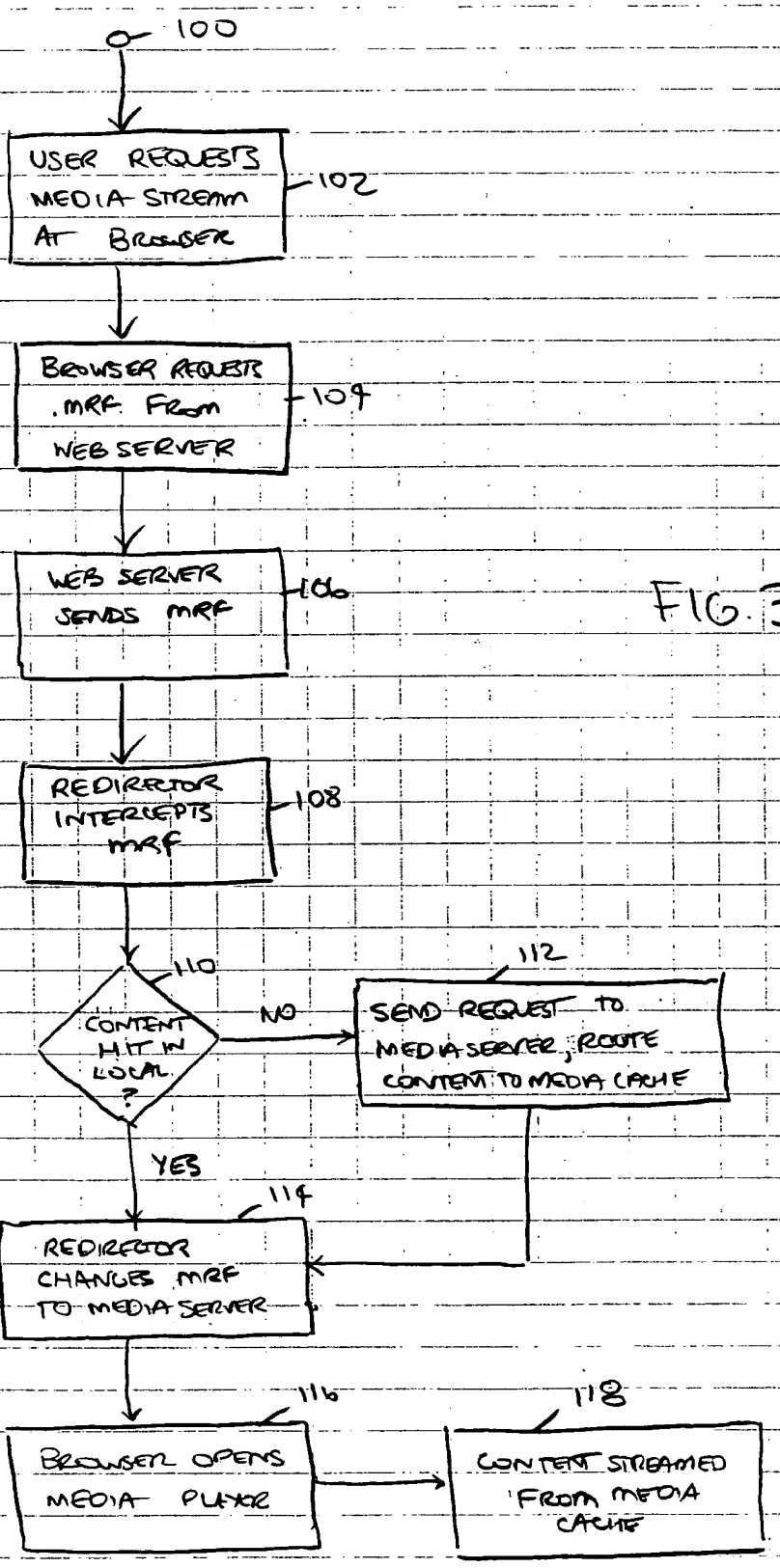
100
USER REQUESTS MEDIA STREAM AT BROWSER
102
BROWSER REQUESTS .MRF FROM WEB SERVER
104
WEB SERVER SENDS MRF
106
REDIRECTOR INTERCEPTS MRF
108
CONTENT HIT IN LOCAL ?
110
NO
SEND REQUEST TO MEDIA SERVER, ROUTE CONTENT TO MEDIA CACHE
112
YES
REDIRECTOR CHANGES MRF TO MEDIA SERVER
114
BROWSER OPENS MEDIA PLAYER
116
CONTENT STREAMED FROM MEDIA CACHE
118

FIG. 3

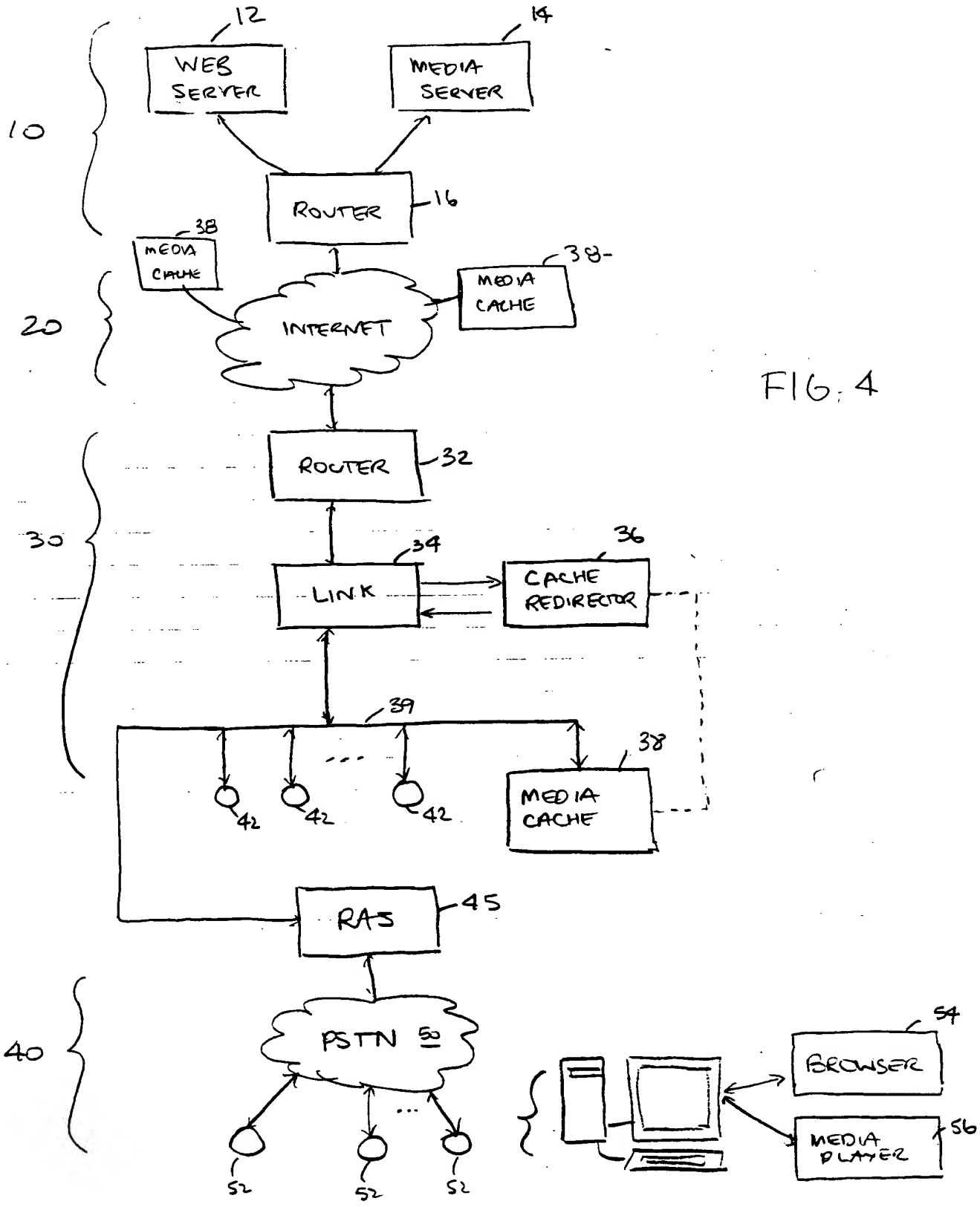
12
WEB SERVER
14
MEDIA SERVER
10
ROUTER
16
38
MEDIA CACHE
38
MEDIA CACHE
20
INTERNET
ROUTER
32
30
34
LINK
36
CACHE REDIRECTOR
39
38
MEDIA CACHE
42
42
42
RAS
45
40
PSTN
50
52
52
52
54
BROWSER
MEDIA PLAYER
56

FIG. 4

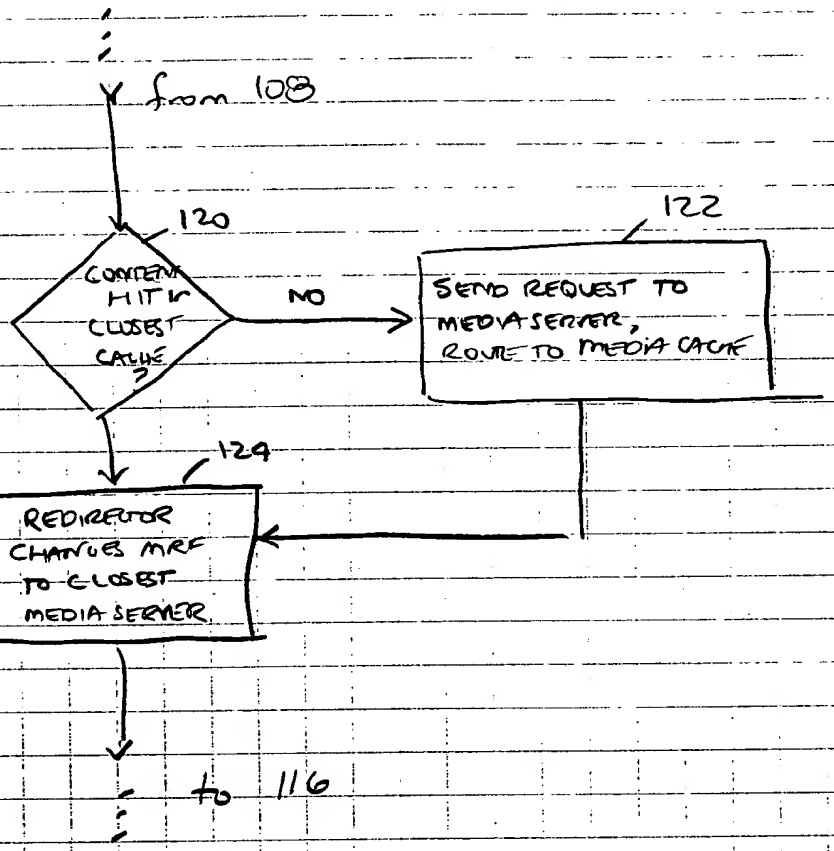
Y from 108
120
CONTENT HIT IN CLOSEST CACHE ?
NO
122
SEND REQUEST TO MEDIA SERVER, ROUTE TO MEDIA CACHE
124
REDIRECTOR CHANGES MRF TO CLOSEST MEDIA SERVER
to 116

FIG. 5